

SEP 1 0 2004

PTO/SB/08a (08-03)

Approved for use through 7/31/06. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	2	Application Number	10/777470
				Filing Date	02/11/2004
				First Named Inventor	Lee
				Art Unit	1641
				Examiner Name	Unknown
				Attorney Docket Number	703538.4033

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
/C.M./	AA	US 2002/0058332 A1	5/16/02	Quake et al.
	AB			
	AC			
	AD			
	AE			
	AF			
	AG			
	AH			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country ³ Number ⁴ Kind Code ⁵ (if known)			
/C.M./	AA	DE 198 14 267 A1	04/01/1999	GE Bayer Silicones GmbH & Co.	N
/C.M./	AB	WO 02/068104 A1	09/06/2002	Japan Science and Technology Corporation	N
/C.M./	AC	WO 2004/002627 A2	01/08/2004	President and Fellows of Harvard College	
/C.M./	AD	EP 1 358 931 A2	11/05/2003	Tosoh Corporation	
/C.M./	AE	EP 1 362 634 A1	11/19/2003	Japan Sciences and Technology Corporation	

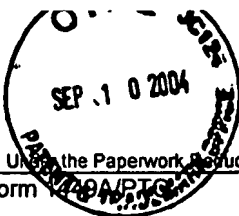
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/C.M./	BA	HAVERKAMP et al., "The Potential of Micromixers for Contracting of Disperse Liquid Phases" Fresenius Journal of Analytical Chemistry, Springer, Berlin Germany, Vol. 364, 1999, pages 617-624	
/C.M./	BB	NISISAKO et al., "Formation of droplets using branch channels in a microfluidic circuit" SICE Osaka, Japan, 2002, pages 1262-1264	

Examiner Signature	DOCSOC1:154041.1 /Christine Mui/	Date Considered	07/11/2007
-----------------------	----------------------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicants unique citation designation number (optional). ²See Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/777470		
		Filing Date	02/11/2004		
		First Named Inventor	Lee		
		Art Unit	1641		
		Examiner Name	Unknown		
Sheet	2	of	2	Attorney Docket Number	703538.4033

/C.M./	BC	BERTSCH et al., "3D Micromixers - downscaling large scale industrial static mixers" Proceedings of the IEEE 14th annual international conference on microelectro mechanical systems, MEMS 2001, Interlaken, Switzerland January 21 - 25, 2001, pages 507-510	
/C.M./	BD	THORSEN, et al., "Dynamic Pattern Formation in a Vesicle-Generating Microfluidic Device", The American Physical Society (4/30/2001), Volume 86, No. 18, pp. 4163-4166	
/C.M./	BE	TAN et al., "Microfluidic Liposome Generation from Monodisperse Droplet Emulsion—Towards the Realization of Artificial Cells, 2003 Summer Bioengineering Conference, June 25-29, Key Biscayne, Florida, two pages	

Examiner Signature	DOCSOC1:154041.1 /Christine Mui/	Date Considered	07/30/2007
-----------------------	----------------------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicants unique citation designation number (optional). ²See Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is govern by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450